



# भारत का राजपत्र

## The Gazette of India

प्राप्तिकार से प्रकाशित  
PUBLISHED BY AUTHORITY

सं. 2] नई विल्सनी, शमिदार, जनवरी 12, 1980 (पौष 22, 1901)

No. 2] NEW DELHI, SATURDAY, JANUARY 12, 1980 (PAUSA 22, 1901)

इस भाग में भिन्न पृष्ठ संख्या वी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।  
Separate paging is given to this Part in order that it may be filed as a separate compilation.

### भाग III—खण्ड 2 [PART III—SECTION 2]

#### पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस [Notifications and Notices issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 12th January 1980

#### CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 22nd December 1979 under the heading "PATENTS SEALED" delete the number 145647.

#### APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crecent brackets are the dates claimed under Section 135 of the Act.

6th December, 1979

- /Cal/79. Maschinenfabrik Rietter A. G. Crush roll arrangement for card web. (December 6, 1978).
- /Cal/79. A/S N. Foss Electric. A method for quantitatively determining fat in a fat-containing sample.
- /Cal/79. M. Marraccini. Kinematic mechanism for drying bicycles or the like having oscillating pedals.
- /Cal/79. Combustion Engineering, Inc. Welding electrode.

7th December, 1979

- /Cal/79. Rieter Deutschland GMBH. Web take-off apparatus at the döffer of a card. (December 9, 1978).

1275/Cal/79. Dr. C. Otto & COMP. GMBH. Vertical chamber for the continuous dry quenching of coke.

1276/Cal/79. Indian Oxygen Limited. Process for the production of pure vanadium pentoxide.

1277/Cal/79. Indian Oxygen Limited. Process for the production of alpha-cellulose.

1278/Cal/79. M. S. Sharma. Safety or security seals for cash boxes, currency chests and the like.

1279/Cal/79. United Technologies Corporation. Method for fabricating wind turbine blades.

1280/Cal/79. The Timken Company. Unitized multirow tapered roller bearing.

10th December, 1979

1281/Cal/79. Burmeister & Wain A/S. A method and an apparatus for effecting multi-bead welding of two workpieces.

1282/Cal/79. Burmeister & Wain A/S. A method of multi-bead welding of two workpieces and an apparatus for carrying out the method.

1283/Cal/79. Magyar Aluminiumipari Troszt. Process for the production of spherical gamma-alumina adsorbent of high mechanical resistance.

1284/Cal/79. Societe Anonyme Dite : Societe Nationale Industrielle Aerospatiale and Office National D'Etudes ET DE Recherches Aerospatiales (O.N.E.R.A.). Blade profile for rotary wing of an aircraft.

- 1285/Cal/79. Intercane Systems, Inc. Methods and apparatus for extracting juice from plant material.
- 1286/Cal/79. The Air Preheater Company, Inc. Rotor turn-down sensor and control.
- 1287/Cal/79. Fanolite General Industries. Improvements in or relating to an electric fan.
- 1288/Cal/79. Westinghouse Electric Corporation. A glass-scaled multichip process.
- 1289/Cal/79. Societa Italiana Telecomunicazioni Siemens S.p.A. Improvements relating to dry-reed relay coil body.
- 1290/Cal/79. The B. F. Goodrich Company. A signalling device.

11th December, 1979

- 1291/Cal/79. Ganga Charan Banerjee. Mechanical-power-multiplying-device.
- 1292/Cal/79. Triplex Safety Glass Company Limited. Producing glass sheets of required curved shape. (December 11, 1978).
- 1293/Cal/79. N. V. Philips' Gloeilampenfabrieken. Electric arrangement including at least one gass and/or vapour discharge tube.
- 1294/Cal/79. E. I. Du Pont de Nemours and Company. Emulsiontype explosive composition and method for the preparation therof.
- 1295/Cal/79. The Babcock & Wilcox Company. Lance construction for boiler cleaning apparatus.

12th December, 1979

- 1296/Cal/79. University of Auckland. Improvements in or relating to methods of forming pulses and/or methods of driving motors. (December 12, 1978).
- 1297/Cal/79. Westinghouse Electric Corporation. Reducing the switching time of semiconductor devices by neutron irradiation.

#### APPLICATION FOR PATENT AT THE (DELHI BRANCH)

12th November, 1979

- 804/DEL/79. Smith Kline & French Laboratories Limited. "Process for Preparing New Histamine H<sub>2</sub>-Antagonists". (November 13, 1978 & August 21, 1979).
- 805/DEL/79. Bayer Aktiengesellschaft. "Phosphonic acid Esters, their Preparation, their use as Emulsifying Agents and Dispersing Agents and their Aqueous Formulations".
- 806/DEL/79. The Standard Oil Company. "Energy Efficient Recover of Acrylonitrile".

13th November, 1979

- 807/DEL/79. Colgate Palmolive Company. Radio-Opaque Dental Compositions".
- 808/DEL/79. TBA Industrial Products Limited. "Improvements in and Relating to the Production of Belting". (November 22, 1978).
- 809/DEL/79. Pfizer Inc., "Preparation of Pharmaceutical Compositions AB-Lactam Antibiotic and Penicillanic Acid 1, 1-Dioxide Derivative". [Addition to No. 327/Del/78].

- 810/DEL/79. Dorr-Oliver Incorporated. "Flow Distribution Means for Screening Apparatus".
- 811/DEL/79. The Jay Engineering Works Ltd., "A Mounting Terminal Box and Condensor of an A.C. Fan".

14th November, 1979

- 812/DEL/79. Anthony Brendon Waddington, "Tape Cassette". (November 16, 1978 and July 12, 1979).

813/DEL/79. Schloemann-Siemag Aktiengesellschaft. "Means for Detecting Liquid Levels in a Container".

814/DEL/79. Dunlop Limited. "Seals". (November 18, 1978).

815/DEL/79. Crucible Societe Anonyme. "Detector".

816/DEL/79. Reeves Brothers, Inc., "Process and Apparatus for Continuous Production Polyurethane Foam".

15th November, 1979

817/DEL/79. Biphasic Energy Systems, INC., "Waste Heat Recovery Cycle for Producing Power and Fresh Water".

818/DEL/79. Jacques Wybauw. "Prefabricated building units for constructing buildings, and buildings whose fabric comprises assembled units of this kind".

16th November, 1979

819/DEL/79. Societe De Paris Et Du Rhone. "Clutch Mechanism for an Internal Combustion Engine Starter Actuator".

820/DEL/79. Sanjeev Bhatnagar, "Improvements in or relating to a process for the extraction of castor oil from castorseeds and its conversion to castor oil fatty acids' esters and glycerol".

17th November, 1979

821/DEL/79. Bharat Heavy Electricals Ltd., "Spring Scrapping Machine".

822/DEL/79. Bharat Heavy Electricals Ltd., "Superheater Safety System".

823/DEL/79. Bharat Heavy Electricals Ltd., "Improvements in or relating to Atomising Nozzles and their Assemblies".

824/DEL/79. Bharat Heavy Electricals Ltd., "Power Friction Welding Process for the Hardfacing of Pressure Valve Bodies".

825/DEL/79. V. R. Bhide, "A Double Walled Evacuated Vessel and to a Process for the Manufacture thereof".

826/DEL/79. Jitendra Kumar Sharma, "A Drive System for Vehicles".

#### APPLICATIONS FOR PATENTS FILED AT THE (BOMBAY BRANCH)

17th November 1979

322/BOM/1979. Harish Chandra Gambhir, A continuous extrusion press machine for extracting oil seeds and material.

19th November 1979

323/BOM/1979. Technico Engineering Industries, Improvements in or relating to the Hinges.

324/BOM/1979. Nirmal Kumar Sethia, Magnetic Cycle Chains.

20th November 1979

325/BOM/1979. P. P. Mohanan, Safety switch with locking effect for electrical systems.

21st November 1979

326/BOM/1979. Ashok Ravi Harlalka, Improvements in or relating to electric horns for automobile vehicles.

327/BOM/1979. Volta's Limited. A portable plant for treating water.

328/BOM/1979. Priya Ranjan Sarkar, Improvement in lock for doors.

APPLICATION FOR PATENTS FILED AT THE  
(MADRAS BRANCH)

4th December 1979

215/Mas/79. G. Vaithilingam. Hand Operated Portable Emergency Lamp.

5th December, 1979

216/Mas/79. V. S. A. Sagar A Mini-Stand for Bi-cycles.

217/Mas/79. IDL Chemicals Ltd. A Slurry Explosive.

6th December, 1979

218/Mas/79. B. N. Sridhara. A Flushing Cistern.

7th December, 1979

219/Mas/79. R. K. Raman, S. Rajasekaran & N. K. Chourishi. Oxalic Acid from Molasses by Nitric Acid Oxidation.

220/Mas/79. M. Verghese. Oil & Gas Burner.

221/Mas/79. A. Ananthakrishna. A Power Propelling Attachment for a Vehicle such as Two Wheelers or Three Wheelers and Vehicles provided with such attachments.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiren Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 64B. 147267.

Int. Cl.-H01r 7/00.

A WIRE INSERTION TOOL FOR INSERTING WIRE IN NON-DEFORMING INSULATION PIERCING TERMINAL DISPOSED IN A TERMINAL RETAINING BODY.

Applicant : BUNKER RAMO CORPORATION, OF 900 COMMERCE DRIVE, OAK BROOK, ILLINOIS, UNITED STATES OF AMERICA.

Inventors : HIROYUKI FUKUSHIMA, MINORU YOSHIDA AND HIROMASA INOUE.

Application No. 706/Cal/77 filed May 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A wire insertion tool for inserting a wire in a non-deforming insulation piercing terminal disposed in a terminal retaining body, said tool comprising two handles, each of said handles having a first and second end and including a grip portion adjacent said first end thereof; a pivot member pivotally connecting said two handles at a pivot point remote from said first end; two jaw members, each jaw member being pivotally connected adjacent its second end a respective one of said two handles; and being longitudinally slideably coupled to the other of the handles at a point between the pivot point and the first end of the other handle; insertion means on said first jaw member of engaging a wire to be inserted in a terminal; engaging means on said second jaw member for engaging a portion of the terminal retaining body spaced from the terminal in the direction in which the wire is to be inserted, whereby relative approaching movement of said grip portions of said handles toward each other effects a corresponding movement of said first and second jaw members toward each to cause a wire engaged by said insertion means to be moved in the insertion direction relative to a terminal retained in a terminal retaining body engaged by said engaging means; limiting means for prohibiting movement of said handles and said jaw members in a direction counter to said approaching movement; and release means for releasing said limiting means when a predetermined distance between said insertion means and said engaging means has been reached, whereby said jaw members may be separated after the wire has been fully inserted in the terminal.

Comp. Spcn. 15 Pages.

Drg. 3 Sheets.

CLASS 32Fb & 55E.

147268.

Int. Cl.-C01d 51/42.

PROCESS FOR THE MANUFACTURE OF 5-SUBSTITUTED 2, 4-DIAMINO-PYRIMIDINES.

Applicant : CIBA GIEGY OF INDIA LIMITED, OF AAREY ROAD, GOREGAON EAST BOMBAY-400 063, MAHARASHTRA, INDIA.

Inventor : KRISHNAKANT GOVINDARÁM DAVE.

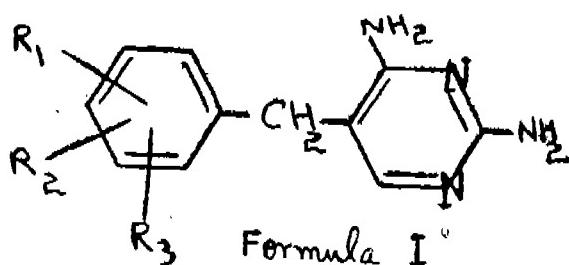
Application No. 76/Bom/77 filed February 28, 1977.

Complete Specification left May 26, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

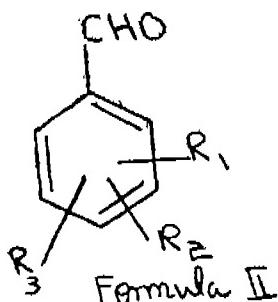
5 Claims

Process for the manufacture of 5 substituted 2, 4-diaminopyrimidines of the formula I, shown in the drawings accompanying the provisional specification.



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> each independently represents a hydrogen atom, a lower alkyl, lower alkoxy, arylloweralkoxy or loweralkylthio radical or any two of the three groups R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> may together form alkylene dioxy radical and third, a hydrogen atom, a lower alkyl, lower alkoxy, arylloweralkoxy or loweralkylthio radical and their acid addition salts,

which comprises reacting as herein described an aryl aldehyde of the formula II.



wherein R<sub>1</sub>, R<sub>2</sub> and R<sub>3</sub> are as defined above with acrylonitrile and guanidine in a 'single-pot' reaction according to the equation shown in Fig. 3.



optionally in presence of a base, such as herein described or a protic solvent such as herein described.

Prov. Specn. 22 Pages.

Prov. Drg. 2 Sheets.

Comp. Specn. 24 Pages.

Drg. 1 Sheet.

CLASS 14 A1, 2+D2.

147269.

I.C. H01 m 29/00.

#### ELECTROCHEMICAL CELLS.

*Applicants* : ACCUMULATORENWERK HOPPECKE  
CARL ZOELLNER AND SOHN BARBAROSSA PLATZ 2,  
5000 KOLN WEST GERMANY.

*Inventors* : DR. JEAN RUCH 2, DIETER HASENAUER.

Application No. 109/Bom/77 Filed on 14.3.77.

Convention date 10.2.77 (No. 5609/77 U.K.).

Appropriate office for opposition proceedings (Rule 4, the Patents Rules, 1972) Patent Office Branch, Bombay.

23 Claims.

1. An electrochemical cell comprising a consumable electrode, an air electrode, a space for an electrolyte between the electrodes, current outlets from the electrodes, the consumable electrode being rod shaped, of an at least partly compact metal, and with a face facing its only working surface and projecting in sealed manner into the space for the electrolyte, and means for maintaining the air electrode at a small distance from and parallel to the said working surface, and in a constant direction axially of the consumable electrode, one of the electrodes being movable relative to the other.

Complete specification 15 pages and Drawings 2 sheet.

CLASS 51B & C.

147270.

Int. Cl.-B26b 3/02, B26c 21/00, A471 21/00.

#### SHARPENING DEVICE AND KNIFE SCABBARD INCLUDING THE SAME.

*Applicant* : WILTSHIRE CUTLERY COMPANY PROPRIETARY LIMITED, OF 36-38 ALBERT ROAD, SOUTH MELBOURNE, IN THE STATE OF VICTORIA, COMMONWEALTH OF AUSTRALIA.

*Inventor* : KEITH ERNEST WATTS.

Application No. 1025/Cal/77 filed July 6, 1977.

Convention date July 28, 1976/(PC 6786/76) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A sharpening device including, a pair of plate arranged so as to have respective broad surfaces in opposed and overlapping relationship, edges of said plates which extend beyond the zone of said overlap being relatively arranged to define a sharpening recess between them, and said opposed surfaces are

spaced apart so that a gap exists between them at least along said edges for the full depth of said recess and an immediately adjacent part of said overlap.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 40B.

147271.

Int. Cl.-B01j 11/00.

#### A PROCESS FOR THE PREPARATION OF SOLID CATALYTIC COMPONENTS FOR POLYMERIZATION OF ALPHA-OLEFINS.

*Applicant* : MONTEDISON S.P.A., OF 31, FORO BUON-APARATE, MILAN, ITALY, AND MITSUI PETROCHEMICAL INDUSTRIES LTD., OF KASUMIGASEKI BLDG., 2-5, KASUMIGASEKI 3-CHOME, CHIYODA-KU, TOKYO, JAPAN.

*Inventors* : UMBERTO GIANNINI, ENRICO ALBIZZATI AND SANDRO PARODI.

Application No. 1223/Cal/77 filed August 6, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims. No drawings.

Process for the preparation of solid catalytic components for polymerization of alpha-olefins. Comprising reacting a halogenated Ti compound soluble in hydrocarbons, with the product containing Mg dihalide obtained by decomposition of an adduct of at least a Mg dihalide and an electron-donor compound selected from amongst the organic electron-donor compounds such as herein described and ammonia, such electron-donor compound being present in the adduct in an amount of at least 0.5 moles per mole of Mg dihalide, the decomposition of the adduct being carried out with substances, other than Ti compounds such as herein described, capable of reacting with the electron-donor compound of the adduct, the reaction with halogenated Ti compound being carried out in the presence of electron-donor compounds not containing active hydrogen atoms, in an amount that the solid component contains from 0.4 to 3.5 mole of electron-donor per 1 g atom of Ti and in conditions that the molar ratio Mg/Ti in said component is comprised between 5 and 100.

Comp. Specn. 54 Pages.

Drg. Nil.

CLASS 40F 93.

147272.

Int. Cl.-B05b 3/02.

#### SPRAYER FOR REPAIRING REFRACTORY LINING.

*Applicant* : QUIGLEY COMPANY, INC., OF 235 EAST 42ND STREET, NEW YORK, STATE OF NEW YORK, UNITED STATES OF AMERICA.

*Inventor* : MINORU OGAWA.

Application No. 209/Del/78 filed August 20, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims

A spraying device for repairing a refractory lining, comprising :

(a) a nozzle pipe having a first end for receiving a slurry of a refractory repairing material and a second end at which a nozzle is to be fitted for spraying said slurry;

(b) a stationary housing disposed about said nozzle pipe intermediate said first and second ends, said nozzle pipe being both rotatable about its axis and axially movable back-and-forth relative to said housing;

(a) a turntable rotatably supported by and within said housing said turntable being coaxial with said nozzle pipe and having a central opening between its opposed major faces through which said nozzle pipe freely passes;

(d) pipe driving means mounted on one of said opposed major faces of said turntable and engaged with said nozzle pipe, said driving means supporting said nozzle pipe relative to said housing and being actuatable to drive said nozzle pipe in either axial direction of the pipe relative to said housing;

(e) first actuating means secured to said one face of said turntable for actuating said pipe driving means;

(f) pipe rotating means including a first gear intermeshed with a second gear, said first gear being coaxially fixed to the other of said opposed major faces of said turntable and having a central opening through which said nozzle pipe freely passes, said second gear having a drive shaft supported for rotation by said stationary housing; and

(g) second actuating means secured to said housing for rotating said drive shaft to cause said second gear to rotate said first gear about the nozzle pipe axis together with said turntable carrying said pipe driving means and said first actuating means, whereby said nozzle pipe and said turntable rotate in unison.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 10F.

147273.

Int. Cl.-F41g 7/00.

#### ATTITUDE-CONTROLLING SYSTEM AND A MISSILE EQUIPPED WITH SUCH A SYSTEM.

*Applicant* : THOMSON-BRANDT, OF 173 BOULEVARD HAUSSMANN, 75008 PARIS, FRANCE.

*Inventor* : PIERRE METZ.

Application No. 1869/Cal/76 filed October 12, 1976.

Convention date July 26, 1976/(31092/76) U. K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A system for controlling the attitude of a cylindrical missile body as hereinbefore described moving in a fluid, the system being intended to control the attitude of said body in roll, wherein said system comprises a foldable finned rotary empennage concentric with the body, a torque transmitter providing a connection between the body and the empennage and acting on the empennage, and an attitude detector for providing an electrical signal proportional to the divergence of the said body which feeds the said signal to an amplifier which drives the rotor of the torque transmitter.

Comp. Specn. 9 Pages.

Drg. 2 Sheets.

CLASS 14D<sup>a</sup>.

147274.

Int. Cl.-B01k 1/00.

#### AN ELECTROCHEMICAL CELL.

*Applicant* : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventor* : LEWIS FREDERICK URRY.

Application No. 231/Cal/77 filed February 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An electrochemical cell comprising a container; a cathode or cathode collector disposed within said container; a porous separator disposed within and in surface contact with said cathode or cathode collector; an anode in the form of at least two discrete bodies disposed within said separator; means for biasing said anode bodies radially outward against said separator which in turn contacts the cathode or cathode collector; and an electrolyte disposed within said container, wherein when the cathode is disposed within said container, it is a solid cathode composed of an active reducible material such as herein described and the electrolyte is a solution of an electrolyte such as herein described and when the cathode collector is disposed within the container, the cathode and the electrolyte comprise a liquid active reducible cathode-electrolyte such as herein described.

Comp. Specn. 28 Pages.

Drg. 1 Sheet.

CLASS 14D<sup>a</sup>.

147275.

Int. Cl.-B01k 1/00.

#### AN ELECTROCHEMICAL CELL.

*Applicant* : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

*Inventors* : GERALD FRANK BUBNICK, LEWIS FREDERICK URRY.

Application No. 232/Cal/77 filed February 17, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electrochemical cell comprising a container; an anode disposed within said container; a porous separator disposed within and in surface contact with said anode; a cathode or a cathode-collector in the form of at least two arcuate bodies disposed within said separator; means for biasing said arcuate bodies radially outward against said separator which in turn contacts the anode; and an electrolyte disposed within said container, wherein when the cathode is in the form of at least two arcuate bodies, it is a solid cathode composed of an active reducible material such as herein described and the electrolyte is a solution of an electrolyte such as herein described and when the cathode collector is in the form of at least two arcuate bodies, the electrolyte comprises a liquid, active reducible cathode-electrolyte such as herein described.

Comp. Specn. 34 Pages.

Drg. 2 Sheets.

CLASS 172D<sup>a</sup>.

147276.

Int. Cl.-D01h 13/00.

#### OPEN-END SPINNING APPARATUS.

*Applicant* : SCHUBERT & SALZER MASCHINENFABRIK AKTIENGESELLSCHAFT, OF FRIEDRICH-EBERT-STRASSE 84, 8070 INGOLSTADT, WEST GERMANY.

*Inventors* : GERD HUSGES AND EBERHARD GRIMM.

Application No. 1171/Cal/77 filed July 30, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

Open-end spinning apparatus with a fibre conveyance path between a feed device and a spinning chamber, which path has a dirt-separating device with a dirt-separating opening delimited by a separating edge, which dirt-separating opening is in communication with a dirt-collecting chamber, air being fed to the fibre conveyance path by way of this dirt-separating opening characterised by an auxiliary chamber between the fibre conveyance path and the dirt-collecting chamber with a first opening for the continuous inflow of air which is to be introduced into the fibre conveyance path, and with a wall which adjoins the separating edge and in which there is formed a second opening for the egress of an appreciably weaker air current, also characterised by a controllable closure member between the auxiliary chamber and the dirt-collecting chamber.

Comp. Specn. 15 Pages.

Drg. 1 Sheet.

CLASS 24E.

147277.

Int. Cl.-B60t 8/18.

#### AUTOMATIC LOAD-DEPARTMENT AIR BRAKE.

*Applicant* : WERKZEUGMACHINENFABRIK OERLIKON-BUHRLE AG., OF BIRCHSTRASSE 155, CH 8050 ZURICH, SWITZERLAND.

*Inventors* : PIUS FISCHER, NIKLAUS EPP, WILHELM KELLER AND ANTON WALLISCH.

Application No. 278/Del/78 filed April 17, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 2 Claims.

An indirectly-acting, load-dependent compressed-air brake for railway vehicles, having a brake cylinder, to which compressed air can be admitted, as a function of the pay load, by a regulating valve via a compressed-air ratio device, a surge pressure, to overcome the forces of the release spring, being generated when braking is initiated in the brake cylinder, even if the vehicle is empty or only partially loaded, and the compressed-air ratio device having a balance beam which is loaded at one end by the regulating pressure via a piston and is loaded at the other end by the brake cylinder pressure via a second piston and, in the opposite direction, by the regulating pressure via a third piston and by a spring, wherein the second piston can be supported in the load direction of the brake cylinder pressure by an annular piston which is supported by the said spring in the third piston, the stroke of the annular piston in the load direction of the brake cylinder pressure and the stroke of the third piston in the opposite direction being limited by stops.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 39G &amp; P.

147278.

Int. Cl.-C01g 9/04, 9/06.

## RECOVERY OF THE ZINC CONTAINED IN THE RESIDUAL SOLUTIONS OBTAINED AFTER ELECTROLYTIC DEPOSITION OF THE SAME.

*Applicant* : SOCIETE NATIONALE ELF AQUITAINE-OF TOUR AQUITAINE, 92400 COURBEVOIE, FRANCE.

*Inventors* : JEAN-PIERRE BERNAT AND JEAN SORS.

Application No. 569/Cal/77 filed April 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

## 8 Claims.

A method of recovering zinc from a residual solution obtained when carrying out an electrolytic zinc deposition process, which comprises the steps of : reducing the acidity of the solution; adding to the solution having thus reduced acidity an alkaline metal halide, so as to incorporate the zinc into the anion of a halogen-zinc complex fixing said anion into an anion exchanger; eluting the anion exchanger with demineralized water and thereby obtained a zinc halide solution.

Comp. Specn. 12 Pages.

Drg. 1 Sheet.

CLAS<sup>S</sup> 104P.

147279.

Int. Cl C08d 13/28.

## PROCESS FOR PREPARING VULCANIZATES CONTAINING SILICEOUS FILLERS.

*Applicant* : POLYSAR LIMITED, OF SARNIA, ONTARIO, CANADA.

*Inventor* : DOUGLAS CAMERON EDWARDS.

Application No. 264/Del/78 filed April 12, 1978.

Convention date April 14, 1977/(276216/77) (276217/77) (276224/77) Canada.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

## 12 Claims. No drawings.

A process for the production of improved silica or calcium silicate filled rubber vulcanizates which comprises preparing a mixture of a polymer, silica or calcium silicate and an additive, subjecting said mixture to a treatment wherein it is sheared at a temperature of from 100° to 175°C, cooling said mixture, incorporating into said mixture conventional vulcanization active compounds and vulcanizing by heating at an elevated temperature to produce the improved silica or calcium silicate filled rubber vulcanizate, characterized in that said polymer is a vulcanizable hydrocarbyl polymer containing from 1.5 to 80 millimoles of hydroxyl groups per 100 grams of polymer, the amount of silica or calcium silicate is from 5 to 100 parts by weight per 100 parts by weight of polymer, and said additive is selected from 0.5 to 5 parts by weight, per 100 parts by weight of polymer, of an amine selected from compounds of formula.

R-NH<sub>2</sub>, R-NHR<sup>1</sup> AND R-NR<sup>1</sup>R<sup>2</sup>

wherein R is a C<sub>1</sub>-C<sub>10</sub> linear or branched alkyl or alkylene group which may contain upto three NH<sub>2</sub>, NH or NR' groups or a C<sub>1</sub>-C<sub>10</sub> cycloalkyl group or a C<sub>1</sub>-C<sub>10</sub> alkaryl group connected to the nitrogen atom through the alkyl component of the alkaryl group R' is a C<sub>1</sub>-C<sub>10</sub> linear or branched alkyl or alkylene group, and R'' and RR'', which may be the same or different, is a C<sub>1</sub>-C<sub>10</sub> alkyl group, from 1 to 5 parts by weight, per 100 parts by weight of polymer, of an organic acid or a salt thereof selected from the C<sub>1</sub>-C<sub>10</sub> fatty acids, the C<sub>15</sub>-C<sub>20</sub> unsaturated fatty acids and the aromatic carboxylic acids, or the alkali metal, alkaline earth metal or ammonium salts thereof and from the aryl sulphonic acids and from 1 to 10 parts by weight, per 100 parts by weight of polymer of magnesium oxide.

Comp. Specn. 46 Pages.

Drgs. Nil.

## PRINTED SPECIFICATION PUBLISHED

A limited number of printed copies of the undernoted specifications are available for sale from the Officer-in-Charge, Government of India, Central Book Depot, 8, Hastings Street, Calcutta, at two rupees per copy :—

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## PATENTS SEALED

144829 146305 146317 146324 146332 146341 146345 146346  
146360 146361 146364 146365 146367 146370 146372 146374  
146375 146376 146380 146385 146386 146387 146389 146390  
146397 146406.

## CLAIM UNDER SECTION 20(1) OF THE PATENTS ACT, 1970

(1)

The claim made by Nitto Boseki Co. Ltd., under Section 20(1) of the Patents Act, 1970, to proceed the application for patent No. 144770 has been allowed.

(2)

The claim made by Nitto Boseki Co. Ltd., under Section 20(1) of the Patents Act, 1970 to proceed the application for patent No. 145418 has been allowed.

## AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Johnson & Johnson a corporation of the State of New Jersey, located at 501 George St., New Brunswick, New Jersey, U.S.A., have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No. 142640 for "A process for preparing a gel formulation of

tretinoin for topical application". The amendments are by way of correction to define the invention more clearly. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Chandra Bose Road, Calcutta-700 017 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta. If the written statement of opposition is not filed with the notice of opposition it shall be left within one month from the date of filing the said notice.

## LIST NO. II

## COMMERCIAL WORKING OF PATENTED INVENTIONS

The Following Patents in the field of General and Mechanical Engineering Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calender year 1978, generally on account of want of requests for licenses to work the patented Inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purpose.

S. No.	Patent No.	Date of Patent	Name and address of Patentee	Brief title of the invention.
1	2	3	4	5
1	131206	3-5-71	Marconi Corp., One Maritime Plaza, San Francisco, California, U.S.A.	Loading slurries in vessels and eliminating the suspending liquids.
2	131222	4-5-71	William Prym-Werke K-G., 519 Stolberg, Rhed, Zweifaller, FRG.	Manufacturing slide fastener by weaving.
3	131239	5-5-71	Stencel Aero Engg. Corp. Municipal Airport Road, Arden, N. Carolind, U.S.A.	Arrangement for deploying and spreading a parachute.
4	131242	5-5-71	Aktieselskabet Niro Atomizer, 305 Gladaxevej, 2860 Soborg, Denmark.	Liquid feeding to rotating atomiser wheel.
5	131357	13-5-71	VDO Adolf SohIndling A.G., 6 Frankfurt Main 90, Postfach 901020, F.R.G.	Tachometer with a distance counting device.
6	131455	22-5-71	Maschinenfabrik Augsburg-Nurnberg A.G. Katzwanger strasse 101, 8500 Nurnbery 2, W. Germany.	Crankshaft assembly.
7	131488	25-5-71	Girling Ltd., Kings Road, Tysely, Birmingham 11, Warwickshire, England.	Disc brakes for vehicles.
8	131491	25-5-71	Inoplast Handelsgesellschaft, 6 Frankfurt Main, Eschershemir FRG.	A sports triking instrument e.g.t. Hockey stick or Golf club.
9	131503	26-5-71	Siemens AG., Berlin & Munich, West Germany.	A die suitable for use in the application of covering layer to a wire.
10	131511	27-5-71	Girling Ltd., England	Servo boosters for vehicle brake system.
11	131546	31-5-71	Dunlop Holdings Ltd., Dunlop House, Ryden Street, St. Jame's. London SW., England.	Tyre mould.
12	131563	2-6-71	Glaverbel Macaniver, 166 Chausse dela Hulpe, Watermaelboitsfort, Belgium.	Bending sheet blanks.
13	131564	2-6-71	USS Engineers and consultants Inc., 600 Grant Street, Pittsburgh, Pennsylvania, U.S.A.	Making rim-stabilized steel ingots.
14	131565	2-6-71	Girling Ltd., England.	Disc brakes.
15	131602	4-6-71	Embar Industries Inc., 950 Cottage Grave Ro:d, Town of Bloomfields, Connecticut, U.S.A.	Liquid filled transparent-container inspecting system.
16	131691	14-6-71	Dunlop Holdings Ltd., England	Tyre and wheel assemblies.
17	131692	14-6-71	Do.	Pneumatic tyres.
18	131693	14-6-71	Do.	Do.
19	131737	16-6-71	Do.	Tyre and wheel assemblies.
20	131738	16-6-71	Do.	Do.
21	131739	16-6-71	Do.	Pneumatic tyres.
22	131740	16-6-71	Do.	Tyre and wheel assemblies.
23	131741	16-6-71	Do.	Do.
24	131761	17-6-71	Do.	Printers blanket.
25	131780	18-6-71	USS Engineers & Consultants Inc., Pittsburgh, Pennsylvania, U.S.A.	Tundish and method of preheating the same.
26	131828	22-6-71	Girling Ltd., England.	Lock actuators for vehicle wheel brakes.

1	2	3	4	5
27	131831	22-6-71	Schwarz-Holywell Ltd., of Backworth Mining Offices, Shramoor, Northumberland, England, and Jock Leo Kennedy, 200 South Jayne Street, Taylorville, Illinois 62568, U.S.A.	Improved air stopping in underground mines
28	131859	23-6-71	Nippon Kokan K.K. of 1-3, I-Chome, Otemachi, Chiyoda-Ku, Tokyo, Japan.	Operating blast furnace with an auxiliary reducing gas.
29	131885	26-6-71	Girling Ltd., England	Lining wear indicators.
30	131904	29-6-71	Jospeh Lucas (Industries) Ltd., Great Kings Street, Birmingham 19, England.	Anchorage device.
31	131946	12-4-72	S.V. Padmanabhan & P. B. Ante, R. & D & Standards Organisation, Ministry of Railway, Lucknow-5 (U.P.) India.	Inductive vehicle detection system.
32	131964	2-7-71	Dunlop Holdings Ltd., England.	Pneumatic tyres.
33	131965	2-7-71	G.D. Societa Per Azioni, Via Pompania 10, Bologna, Italy	Controlling the feed rate in cigarette packing mechanism.
34	132033	8-7-71	Raymond Camus, 27, Avenue Foch, 75 Paris 16, France.	Construction elements made of reinforced plastics.
35	132045	9-7-71	Universal Oil Products Co., No. 30 Algonquin Rd., Des Plaines, Illinois, U.S.A.	Flow distributing apparatus.
36	132111	14-7-71	Girling Ltd., England	Lock actuators for vehicle wheel brakes
37	132117	14-7-71	Ryutaru Yoritomi S-17-12, Koishikawa, Bunkyo-Ku, Tokyo, Japan.	V-type continuous squeezing press.
38	132119	14-7-71	Reifenhauser K. G., 521 Troisdorf, Frankfurt Str. 46-48, FRG.	Worm-extrusion press for plastics.
39	132184	21-7-71	Monsanto Co., 800 North Lindbergh Blvd, St. Louis, Missouri 63166, U.S.A.	Preparing hollow filaments and reverse osmosis membrane prepared therefrom.
40	132261	5-8-72	Yashio Kato., No. 31, Nishinagashubondori, Amagasaki City, Hyogo, Japan.	An apparatus for medical treatment.
41	132279	28-7-71	Girling Ltd., England.	Servo motors.
42	132306	30-7-71	Do.	Disc brakes.
43	132324	10-11-69	The Battelle Development Corp., 505 King Avenue, Columbus, Ohio 43201, U.S.A.	A method of making dense metal articles.
44	132392	5-8-71	Siemens AG., Berling Munich, West Germany.	Strip line Y circulators.
45	132410	6-8-71	Parks Cramer Co., Box 444, Fitchburg, Massachusetts, U.S.A.	Textile yarn forming machine data communicating and apparatus.
46	132411	6-8-71	Parks Cramer Co., Box 444, Fitchburg, Massachusetts, U.S.A.	Yarn piecing apparatus.
47	132427	9-8-71	Brico Engineering Ltd., Holbrook Lane, Conventry, Warwickshire, England.	Fuel injector systems.
48	132437	9-8-71	Ashworth Bros. Inc., P. O. Box 670, Fall River, Massachusetts 02722, U.S.A.	Card clothnig.
49	132460	11-8-71	C.A.V. Ltd., Well Street, Birmingham 19, England.	Delivery valves for use in liquid fuel pumping apparatus.
50	132488	12-8-71	Voith Getriebe KG., Meldenhein, Brenz, West Germany.	Hydrodynamic torque convertor.
51	132494	13-8-71	Raymond Camus, 27 Avenue Foch, 75 Paris 16, France.	A plant for manufacture of reinforced concrete construction panels.
52	132505	16-8-71	Brico Engineering Ltd., Holbrook Lane, Conventry, Warwickshire, England.	Fuel injectors.
53	132518	16-8-71	Dresser Investments N. V., Willernstede, Curacao, Netherlands Antilles.	Apparatus for mixing and modulating liquid fuel and intake air for an I-C engine.
54	132556	18-8-71	Girling Ltd., Kings Road Tyseley, Birmingham 11, England.	Vehicle brakes.
55	132567	18-8-71	Leslie Cordon Hudon, Little Copped Hall, Epping, Essex, England.	Apparatus for perforating tubes.
56	132573	19-8-71	Girling Ltd, England	Load transmitting struts.
57	132588	20-8-71	Do.	Vehicle brakes.
58	132605	21-8-71	Combustion Engg. Inc., 1000 Prospect Hill Road, Windsor, Connecticut, U.S.A	Apparatus for integrating the heat generation phase of an electroslag refining process.
59	132608	21-8-71	Colebrand Ltd., 15, Hampden Gumey Street, Masble Arch, London W.I. England	Coating submerged surface by spraying with a liquid and apparatus therefor.
60	132627	23-8-71	Etablissement Salgad., Vaduz Leichtenstein	Explosive device.
61	132659	25-8-71	USS Engineers & Consultants Inc., Pittsburgh, Pennsylvania, U.S.A.	Effecting a rapid heat treatment of steel plant.

1	2	3	4	5
62	132734	1-9-71	Brico Engineering., Holbrook Lane, Coventry, Warwickshire, England.	Fuel injection system.
63	132737	1-9-71	Girling Ltd., England.¶	Automatic adjuster.
64	132767	3-9-71	Vandervell Products Ltd., Norden Road, Maidenhead, Berkshire, England.	Flanged half bearings.
65	132832	8-9-71	USS Engineers & consultants Inc., U.S.A.	An assembly for attachment to a bottom pourvessel for controlling flow liquid through a nozzle.
66	132857	9-9-71	Koninklijke Nederlandse Hoogovens En Staalfabrieken N. V., IJmuiden, The Netherlands.	Apparatus for controlling of the conveyance of loose bulk material.
67	132866	10-9-71	Dunlop Holdings Ltd., Dunlop House, Ryden Street, St. James's London SW1, England.	Pneumatic tyres.
68	132886	13-9-71	Mrs. Sarla Paul, 33 Subroto Park Whaula Kuam, New Delhi.	A device for purpose of accurately viewing a distant object.
69	132888	13-9-71	Schubert & Salzer Maschinenfabrik AG., Friedrich-Ebertstrass 84, 8070 Ingolstadt W. Germany	A feeding device for fibre silver spinning apparatus.
70	132906	14-9-71	Koninklijke Nederlandse Hoogovens En Staalfabrieken N. V. IJmuiden, The Netherlands.	Device for mixing and homogenising of bulk material.
71	132924	16-11-72	R. R. Pardasari, Bhotia Bldg., Shivaji Park, Dadar, Bombay-400 028.	Inter communication set.
72	132945	17-9-71	Talle machen & Environment Engg. Ltd., 143 Maple Road, Sunbiton, Surrey, England.	Ballastic separator/pulverizer.
73	132963	18-9-71	Takara Kogyo Co. Ltd., 10 Mori Bldg., 28 Sakuragawa-Cho, Nishikuto, Shiba Minato-ku, Tokyo.	Producing relatively rigid article.
74	132991	21-9-71	G.W.B. Boilers Ltd., Burton Works, Dudley, Worcester, England.	Industrial boilers.
75	133025	23-9-71	Scovill Manufacturing Co., Waterbury, New Haven, Connecticut, U.S.A.	Insert and core mechanism of pneumatic valve.
76	133026	23-9-71	Do.	Pneumatic valve insert.
77	133027	23-9-71	Do.	Valves for tubeless tyre.
78	133100	4-10-71	Union Carbide Corp., 270 Park Avenue N.Y.N.Y. 10017, U.S.A.	Automatic process for regulating the optimum current required for producing quality controlled metallurgical products.
79	133133	6-10-71	Vereinigte Oesterreichische Eisen-Und Stahlwerke-Alpine Montan A.G., 4010 Vienna, Austria.	Convertor with a detachable floor.
80	133158	7-7-72	Purushottam Manohar Wagh, 25 Hanuman Road, Pitalk Bldg., V. Parle, Bombay-57.	Bus/coach plying on road for long or short distance.¶
81	133159	6-10-72	Do.	Railway passenger coaches for commuter Traffic and long distance travel.¶
82	133226	11-10-71	Westinghouse Air Brake Co., Pittsburgh, Pennsylvania, U.S.A.¶	A fluid pressure brake equipment.
83	133227	14-10-71	Dunlop Holdings Ltd., England.¶	Manufacture of reinforced flexible hose.
84	133238	15-10-71	Cluett Peabody & Co., Inc., 433 River Street, Troy, New York, U.S.A.	Compressively shrinking simultaneously a plurality of layers of fabrics.
85	133239	15-10-71	Jerris B. Webb Co., 900 Alpine Avenue, Detroit, Michigan 48204, U.S.A.	Conveyor carriers.
86.	133270	19-10-71	Girling Ltd., England.	Disc brakes for vehicles.
87	133282	20-10-71	Joseph Lucas (Industries) Ltd., Great Kings street, Birmingham, England.	Lamp failure warning system.
88	133284	20-10-71	Ro Search Inc., P. O. Box. 188, Waynesville, North Carolina 28786.	Footwear and method of and device for its manufacture.
89	133293	15-5-72	K. R. Datye, Amit Bldg., Flat No. 10, Behind Dena Bank, Nehru Road, V. Parle, Bombay-57.	Constructing reinforced concrete underground structures such as foundations, piles diaphragm walls and device therefor.
90	133324	22-10-71	Ruti Machinery Works Ltd., CH-8630 Ruti, Zurich, Switzerland.	Holder for a loom reed.
91	133380	27-10-71	Abex Corp., 530, Fifth Avenue, New York, U.S.A.	Disc brakes.
92	133400	29-1-73	Harbans Lal Malhotra and sons Ltd., 226/2 Acharya Jagdish Chandra Bose Road, Calcutta-20.	Metall coating the cutting edges of razor balades.
93	133409	29-10-71	Girling Ltd. England.¶	Hydraulic braking system for vehicles.¶

1	2	3	4	5
94	133437	1-11-71	Dayco Corp., 333 West First street, Dayton, Ohio, 45402, U.S.A.	Loom picker
95	133477	4-11-71	Girling Ltd., England.	Servo motors or boosters for vehicle brakes system.
96	133527	8-11-71	Terrane J. Waters., 33560 Mulholland Highway, Mailre, California 902265, U.S.A.	Hyperboloid buildings. <sup>3</sup>
97	133534	8-11-71	Dayco Corp., 333 West fifth street Dayton, Ohio 45401, U.S.A	Continuously manufacturing flexible conduit.
98	133560	10-11-71	USS Engineers and Consultants Inc., Pittsburgh, Pennsylvania, U.S.A.	Temperature sensing device.
99	133567	10-4-72	S. MANI, Ground Floor, 130/B, Jodhpur Park, Calcutta-31.	Hydraulic pumps and motors.
100	133580	17-11-72	The Textile & allied Industries Research Organisation, Kalabhavan Premises, Baroda-390001.	Laboratory sizing machine
101	133595	12-11-71	Monsanto Ltd., 10-18 Victoria Street, London SWL, England.	Cigarette filters.
102	133603	12-11-71	Schubert and Salzer Maschinenfabrik AG., Rommerstrasse 1/2, 8070 Ingolstadt, W. Germany.	Apparatus for picking yarn in an open end spinning device.
103	133692	22-11-71	The Goodyear Tires and Rubber Co., 1144 East Market Street, Akron, Ohio, U.S.A.	Tyre building machine & method of building pneumatic tyre.
104	133698	22-11-71	Midland-Ross Corp., SS Public Square, Cleveland, Ohio 44113, U.S.A.	Knuckle type railway coupler.
105	133800	30-11-71	Sealed Power Corp., 2001 Sanford Street, Muskegon, Michigan 49443, U.S.A.	Loading sleeves for pistons.
106	133829	1-12-71	Rust Furnace Co., 930 Fort Duquesne Blvd, Pittsburgh Pennsylvania 15222, U.S.A.	Heating furnace.
107	133845	4-12-71	Industrie Pirelli Societe Per Azioni, Centro Radial cord carcass tyre beads, Pirelli, Milan Zollo, Italy.	
108	133862	7-12-71	UOP Inc., Ten UOP Plaza, Algonquin and Mt. Prospect Rds. Dcs Plaines, Illinois, USA.	Vapour liquid contacting device.
109	133878	7-12-71	Injecto Pvt. Ltd., 20/5 Mathura Road, Faridabad-2, Haryana, India.	Carburetter.
110	133884	8-12-71	Shell Internationale Research Maatschappij N. V. Carel Van Bylaenlaan, The Hague, The Netherlands.	Mixing apparatus for gasses. <sup>3</sup>
111	133901	9-12-71	Girling Ltd., England.	Fluid flow control valve.
112	133917	10-12-71	Schubert & Salzer Maschinenfabrik A.G., Romer Strasse 11/12, 8070 Ingolstadt, W. Germany.	Apparatus for stopping and starting one or more open end spinning devices.
113	133934	14-12-71	Pipe Supports Ltd., Corp Works, Hainge Rd., Jivitals, Warley, Worcester, England.	Pipe supports.
114	133940	14-12-71	Concast A.G., Todl Strasse 7, Zurich, Switzerland.	A cover for pouring vessels in continuous casting plant.
115	133941	15-12-71	Wilhelm Staecker G.m.b.H., 7341 Reichenbach, West Germany.	Bearing unit for open end spinning turbines.
116	133944	15-12-71	Girling Ltd., England.	Shoe drum braking for vehicles.
117	133988	17-12-71	Injecto Pvt. Ltd., 20/5 Mathura Rd., Faridabad-2, Haryana, India.	Carburattor.
118	134013	20-12-71	Scovill Manufacturing Co., Waterbury, New Haven, Connecticut, U.S.A.	Valves pressurible containers.
119	134022	21-12-71	Girling Ltd., England.	Servo motors.
120	134024	21-12-71	USS Engineers & Consultants Inc., U.S.A.	Making ministrabilized steel ingots.
121	134051	23-12-71	Joseph Lucas (Industries) Ltd., Greatkings Street, Birmingham, England.	Inlet manifolds for I-C engines.
122	134054	24-12-71	Gestetner Ltd., Fawley Road, Tottenham, London N-17, England.	Improved duplicating stencils.
123	134055	24-12-71	Dunlop Holdings Ltd., Dunlop House, Ryder St., St. James's, London SW1, England.	Wheels.
124	134056	24-12-71	Kimberly-Clark Corp., Neenah, Wisconsin, U.S.A.	Coated electrical insulating papers.
125	134072	27-12-71	Mass Transfer Ltd., Dist., Bank Chambers, High Street, N. Castle, England.	Fluid-fluid contact apparatus.
126	134077	27-12-71	Mitsubishi Petrochemical Co. Ltd., 3-1, 2- Marunouchi, Chiyoda-Ku, Tokyo.	Elongated articles.

1	2	3	4	5
127	134120	4-8-70	Westinghouse Air Brake Co., Pittsburgh, Pennsylvania, U.S.A.	Propulsion and braking control system for railway vehicle.
128	134150	31-12-71	Gebruder Ortlinghaus, Wermelokirchen Kenwkhauser Street, FRG.	Combined pressure operated clutch braking device.
129	134161	3-1-72	Cleo Ladell Sainsbury, 9537, Wisborn Drive, Indiana Hills, Colorado 80454, U.S.A.	Geological sample collecting apparatus.
130	134177	4-1-72	Chicago pneumatic Tool Co., 6 East 44th St, N.Y. N.Y. 10017, U.S.A.	Pneumatic tool having combined nut running and crimping mechanism.
131	134237	10-1-72	S. Mani., Ground Floor, 130/B Jodhpur Park, Calcutta-31.	Gearing and lubricating means.
132	134238	10-1-72	Do.	Do.
133	134283	14-1-72	USS Engineers and Consultants Inc., U.S.A.	Apparatus for adjustment of side trimmer knife.
134	134318	19-1-72	Scaled Power Corp., 2001 Sanford Street, Muskegon, Michigan 49443, U.S.A.	Piston ring assemblies.
135	134343	20-1-72	Elekem Spigerverket A/S, Middlethunsgata 27, Oslo 3, Norway.	Venturi gas scrubbers.
136	134452	1-2-72	USS Engineers and Consultants Inc., U.S.A.	Producing thin flat cold rolled steel product having substantial aging resistance.
137	134457	1-2-72	Federal-Mogal Corpn., 26555 Northwestern Highway, Southfield, Michigan 48075, U.S.A.	Clutch release bearing.
138	134509	5-2-72	Girling Ltd., Kings Road, Tyseley, Birmingham, -17, England.	Adaptor assemblies.
139	134518	7-2-72	Burmah Oil Trading Ltd., Burmah House 57 Chiswell Street, London.	Hydraulic fluids.
140	134567	10-2-72	Cluett Peabody and Co., Inc., 433 River Street, Troy, N.Y. U.S.A.	Production of knit fabrics and apparatus for the same.
141	134584	11-2-72	Joseph Lucas (Industries) Ltd., England.	Fluid pressure Fluctuation damping device.
142	134587	11-2-72	Wilhelm Stahlecker GmbH, Reinichenbach, West Germany.	Spinning turbine
143	134599	14-2-72	Dresser Industries Inc. Republic National bank Bldg., P.O. Box 718, Dallas Texas 75221, U.S.A.	Annular seal arrangement.
144	134600	14-2-72	Do.	Compressor pump.
145	134618	15-2-72	Wood Brothers Glass Co. Ltd., Borough Flint Glass Works, Barnsley, York, England.	Marking of graduated volumetric measuring vessels of glassware and the like.
146	134654	17-2-72	Dresser Industries Inc., U.S.A.	Packing for compressors and pumps.
147	134667	18-2-72	Hindustan Lever Limited, Hindustan Lever House, 165/166 Backbay Reclamation, Bombay-1.	Animal feed stuff.

**PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the Patents.

No.	Title of the invention
137699 (28.11.72)	Process for the preparation of an improved abs polymer.
137825 (07.12.73)	A process for the manufacture of aluminum sticks for use in metallurgical process.
138018 (14.06.73)	Process for the preparation of 2-imidazolideone derivatives.
138128 (16.10.73)	Process for preparing superfatted soap bars.
138129 (16.08.72)	Improved process for the production of unsaturated nitriles.
138168 (03.01.73)	Process for the preparation of new water soluble disazodyestuff.
138174 (15.02.74)	Manufacture of alkali metal amide.
138202 (25.01.73)	A process for producing a fibre forming polyamide.

138239 (10.01.73) Method of producing magnesia refractory grains.

138315 (10.01.73) Method and apparatus for obtaining a dried gas from the gas obtained by coal gasification.

138396 (06.04.73) A process of producing the relatively water insoluble crystalline form of cephaloxin monohydrate.

**RENEWAL FEES PAID**

97017	97150	97375	98535	99806	103103	103123	103132
103212	103450	103831	104652	104653	108444	108585	109048
114633	114821	118867	118935	119006	119031	119074	119075
124382	124431	124557	124558	127654	129474	129628	129644
133896	133983	134003	134016	134083	134237	134238	136880
137091	137687	137933	138216	138235	139042	139154	139283
139469	139730	140151	140164	140234	140630	140898	141139
141283	141387	141983	142402	142516	142570	142709	142785
142806	142877	143149	143171	143177	143330	143372	143400
143402	143405	143415	143429	143448	143457	143499	143509
143523	143591	143590	143674	143680	143713	143727	143728
143730	143740	143741	143753	143791	143795	143798	143809

143830 143929 143932 143933 143945 143987 143988 144019  
 144026 144076 144084 144096 144129 144401 144454 144531  
**144577** 144616 144688 144771 144843 144905 144931 144991  
 145043 145062 145063 145157 145165 145177 145193 145202  
 145210 145262 145264 145265 145272 145292 145300 145309  
 145310 145337 145411 145428 145463 145468 145471 145476  
 145486 145521 145533 145549 145554 145607 145622 145639  
 145642 145678 145687 145701 145718 145726 145728 145729  
 145738 145744 145747 145755 145757 145786 145821 145827  
 145872 146219 146257 146275 146276.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

**Class 1.** No. 148071. Metrex Private Limited of Sunder Estate near Kamani Works, Shastri Marg, Kurla, Bombay-400070, State of Maharashtra, India. "A Connecting Member". February 8, 1979.

**Class 1.** No. 148072. Metrex Private Limited of Sunder Estate, near Kamani Works, Shastri Marg, Kurla, Bombay-400070, State of Maharashtra, India. "A Connecting Member". February 8, 1979.

**Class 1.** No. 148074. Roussel Pharmaceuticals (India) Limited, D. Shivsagar, Dr. Annie Besant Road, Worli, Bombay-400018, Maharashtra State, an Indian Company registered under the Companies Act, 1956. "Applicator". February 9, 1979.

**Class 1.** No. 148133. Messrs Agrogen India, (an Indian Proprietary Concern), situated at Technocrats Industrial Estate, Balanagar, Hyderabad, Andhra Pradesh. "Electronic Voltage Stabilizers". February 26, 1979.

**Class 1.** No. 148134. M/s. Agrogen India (an Indian Proprietary Concern), situated at Technocrats Industrial Estate, Balanagar, Hyderabad, Andhra Pradesh. "Electronic Voltage Stabilizers". February 26, 1979.

**Class 1.** No. 148135. Messrs Agrogen India, (an Indian Proprietary Concern), situated at Technocrats Industrial Estate, Balanagar, Hyderabad, Andhra Pradesh. "Electronic Voltage Stabilizers". February 26, 1979.

**Class 1.** No. 148376. Satish Kumar Kapur, s/o. Sh. Des Raj Kapur, Proprietor of M/s. Hindustan Udyog, E-34, Focal Point, Dhandari Kalan, Ludhiana, (Punjab), India, Indian. "Padlock". April 26, 1979.

**Class 3.** No. 148085. Mahendralal Maganlal Paresk an Indian citizen, 101/C, Amarkunj Housing Society, Ghodod Road, Athwa Lines, Surat-395001, Gujarat, India. "Sparkling Yo-Yo". February, 1979.

**Class 3.** No. 148097. Ravi Prakash, Co/o. General Plastics, 8, Tamarind Street, Bombay-400023, State of Maharashtra, India, an Indian National. "A Torch". February 14, 1979.

**Class 3.** No. 148405. Bombay Box Factory, Near Jumma Masjid, Sadar, Rajkot-360001, Gujarat State, an Indian Proprietary firm, an Indian National. "Container with Lid". May 3, 1979.

Name Index of applicants for patents for the month of October, 1979 (Nos. 1022/Cal/79 to 1140/Cal/79, 275/Bom/79 to 302/Bom/79, 182/Mas/79 to 195/Mas/79 and 698/Del/79 to 763/Del/79).

(A)

A. Ashlstrom Osakeyhtio.—1025/Cal/79.  
 Aluminium Pechiney.—1134/Cal/79.

(B)

BASF Aktiengesellschaft.—1034/Cal/79.  
**B.** F. Goodrich Company, The.—1046/Cal/79, 1047/Cal/79, 1065/Cal/79, 1120/Cal/79.  
 Bayer Aktiengesellschaft.—707/Del/79, 757/Del/79.  
 Beloit Corporation.—1027/Cal/79.  
 Bendix Corporation, The.—723/Del/79.

#### Name & Application No.

Bhabha Atomic Research Centre.—287/Bom/79.  
 Bharat Heavy Electricals Limited.—729/Del/79, 736/Del/79, 737/Del/79, 738/Del/79, 761/Del/79, 762/Del/79.  
 Bharat Motors.—187/Mas/79.  
 Bhide, P. G.—298/Bom/79.  
 Bhide, R. K.—300/Bom/79.  
 Bhide, S. K.—300/Bom/79.  
 Bihani Industries.—758/Del/79.  
 Biswas, J. N.—1036/Cal/79.  
 Biswas, R. N.—1024/Cal/79.  
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 Burroughs Corporation.—1032/Cal/79.

(C)

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 Canon Corp.—716/Del/79.  
 Carboindustrial S.A.—1139/Cal/79.  
 Card-O-Matic Pty. Limited.—754/Del/79.  
 Chandrasekaran, M.—183/Mas/79.  
 Chavannes, M.A.—741/Del/79.  
 Chemische Werke Huls Aktiengesellschaft.—1089/Cal/79.  
 Chowdhury, A.N.—1062/Cal/79.  
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 Continental Carbon Company.—1031/Cal/79.  
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 Commins Engine Company, Inc.—1026/Cal/79, 1080/Cal/79.

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Das, H. K. (Dr.)—1121/Cal/79.  
 Das, M. C.—760/Del/79.  
 Desai, T. G.—276/Bom/79.  
 Diamond Shamrock Corporation.—1123/Cal/79.  
 Director, All India Institute of Medical Science, The.—748/Del/79.  
 Director, Indian Institute of Technology, Kanpur.—749/Del/79, 750/Del/79, 1024/Cal/79.  
 Director General, Cement Research Institute of India, The.—751/Del/79.  
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(F)	(L)
Ferodo Limited.—745/Del/79, 746/Del/79. Firma Inoplast Handels-gesellschaft MBH.—1089/Cal/79. Fisons Limited.—708/Del/79. Fletcher Sutolife Wild Limited.—715/Del/79.	Larsen & Toubro Limited.—286/Bom/79. Le Matriciel Telephonique Thomson-CSF.—744/Del/79. “ Les Innovations Real Lemaire Inc.—753/Del/79. “ Licinvest Ag.—1061/Cal/79. Lotlikar, S.D.—280/Bom/79.
(G)	(M)
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(H)	(N)
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 Richter, W.—733/Del/79.

*(S)*

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 Sait, I. (Md.).—183/Mas/79.  
 Salgar Supplies Limited.—1087/Cal/79.  
 Sampath, A.—183/Mas/79.  
 Sanac Societa per Azioni Refrattari Argillee Caolini.—1101/Cal/79.  
 Sandvik Aktiebolag.—1038/Cal/79.  
 Satake Engineering Co., Ltd.—1053/Cal/79, 1100/Cal/79.  
 Sathyunarayana, L.—195/Mas/79.  
 Schlumberger Overseas.—1113/Cal/79.  
 Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—1079/Cal/79.  
 Season Control.—189/Mas/79.  
 Shah, C. M.—714/Del/79.  
 Shanmugham, K.N.—183/Mas/79.  
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 Societe D'Etudes Scientifiques Et Industrielles DE L'Ile-DE-France.—1023/Cal/79.  
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 Stauffer Chemical Company.—1071/Cal/79, 1076/Cal/79.  
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*(U)*

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 \* Taito Co. Ltd.—1070/Cal/79.  
 Ukrainsky Nauchno-Issledovatelsky Institut Mekhanizatsii Elektriflkatsii Sel'skogo Khozyaiства.—1137/Cal/79.  
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 Union Explosives Rio Tinto, S.A.—1099/Cal/79.  
 United States Borax and Chemical Corporation.—1081/Cal/79.  
 United Technologies Corporation.—1098/Cal/79.

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Vahlbrauk, K.H.—1074/Cal/79.  
 Veb Gaskombinat Schwarze Pumpe.—1072/Cal/79.  
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 Trade Marks.